

PLANNING & PROGRAMMING DIVISION
PLANNING RESEARCH SECTION
TRAFFIC ANALYSIS UNIT

TAU 3451D

T.H. 94
S.P. 8282-01
1/4 Mi. E. of Jct. T.H. 494-694
to St. Croix River

Prepared: August, 1966

MINNESOTA HIGHWAY DEPARTMENT

U.S. DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS

DEPARTMENT HIGHWAY

STATE OF MINNESOTA

Office Memorandum

TO : T. S. Thompson
Road Design Engineer

DATE: August 15, 1966

FROM : Robert Owens
Traffic Analysis EngineerSUBJECT: TH 94, SP 8282-01; 1/4 Mi. E. of Jct. TH 494-694
to St. Croix River

The Traffic Analysis Unit transmits this report in response to your June 30, 1966 request for the 1990 ADT, DHV, and HCADT for the project location as shown on the map on page 2.

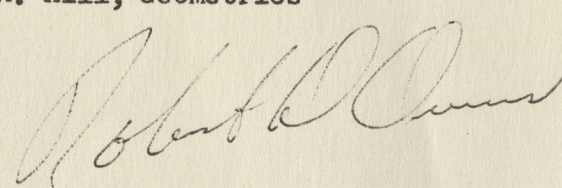
For each segment numbered on the map on page 3, the unit tabulated the data on pages 4-6:

- a) Total ADT
- b) Vehicle Type Distribution
- c) Total Heavy Commercial ADT

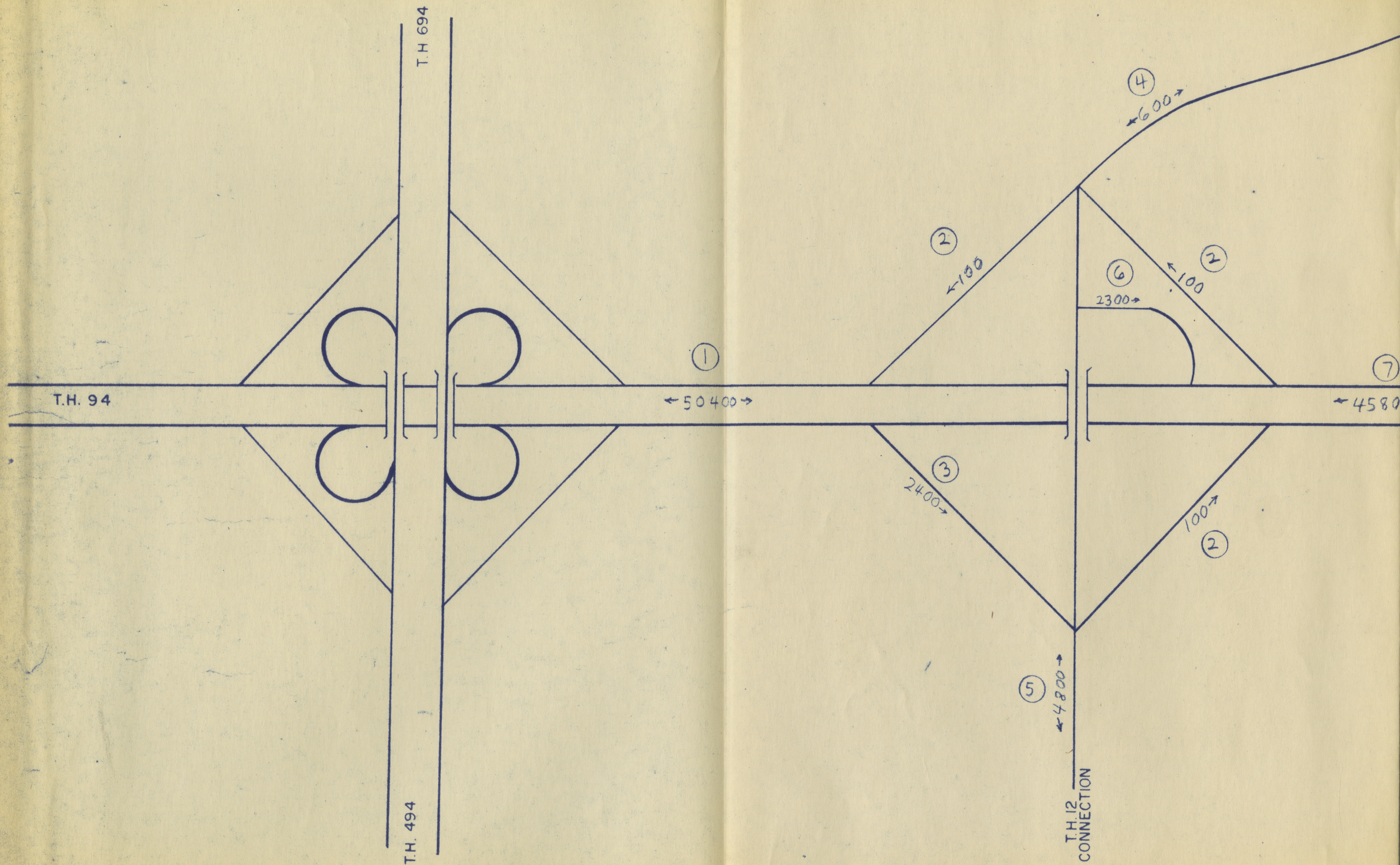
Segment 1 has the highest 1990 ADT. The parallel section of existing TH 12 has a 1964 ADT of 14130.

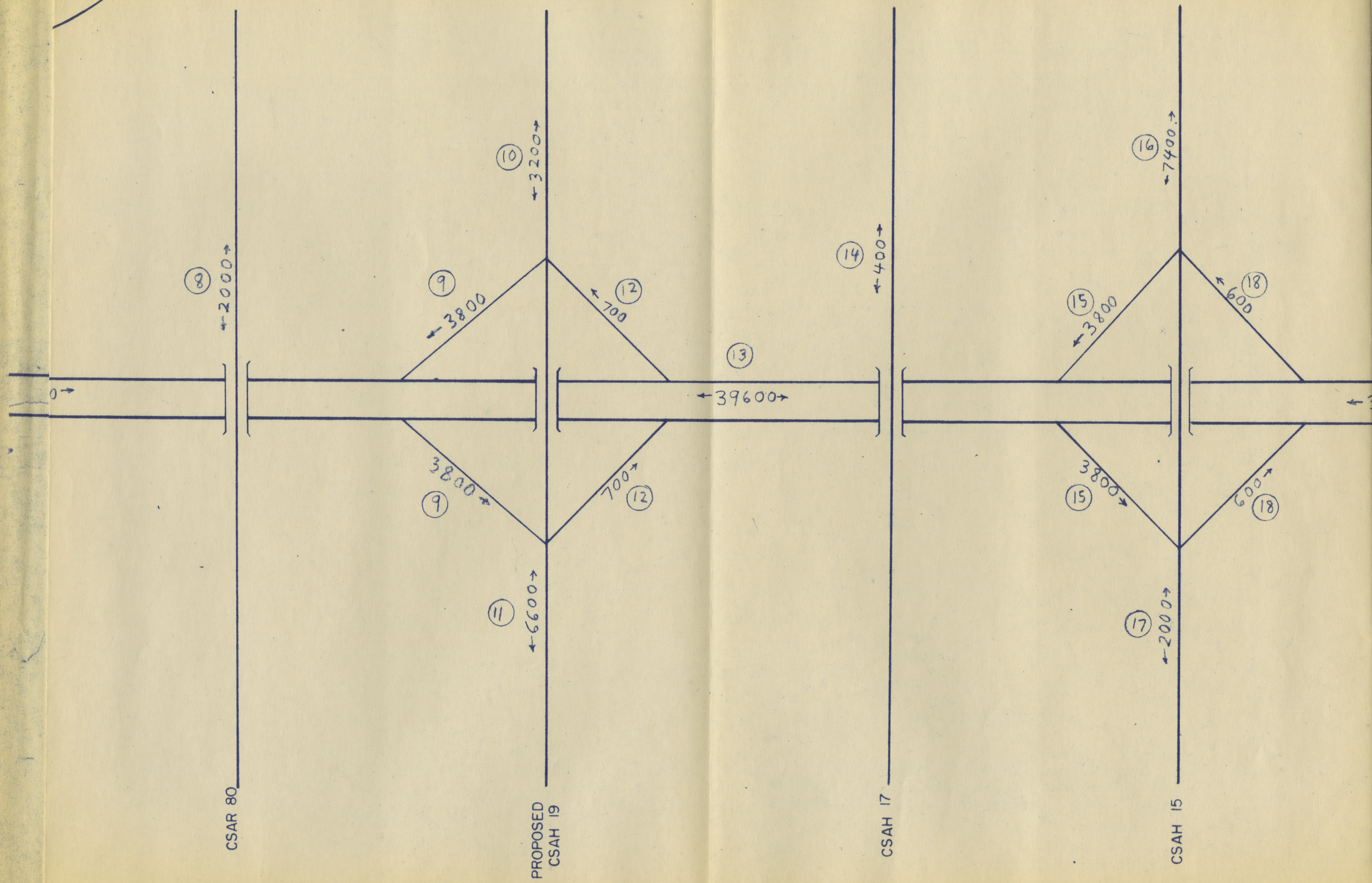
The basic data, method and assumptions are on page 7.

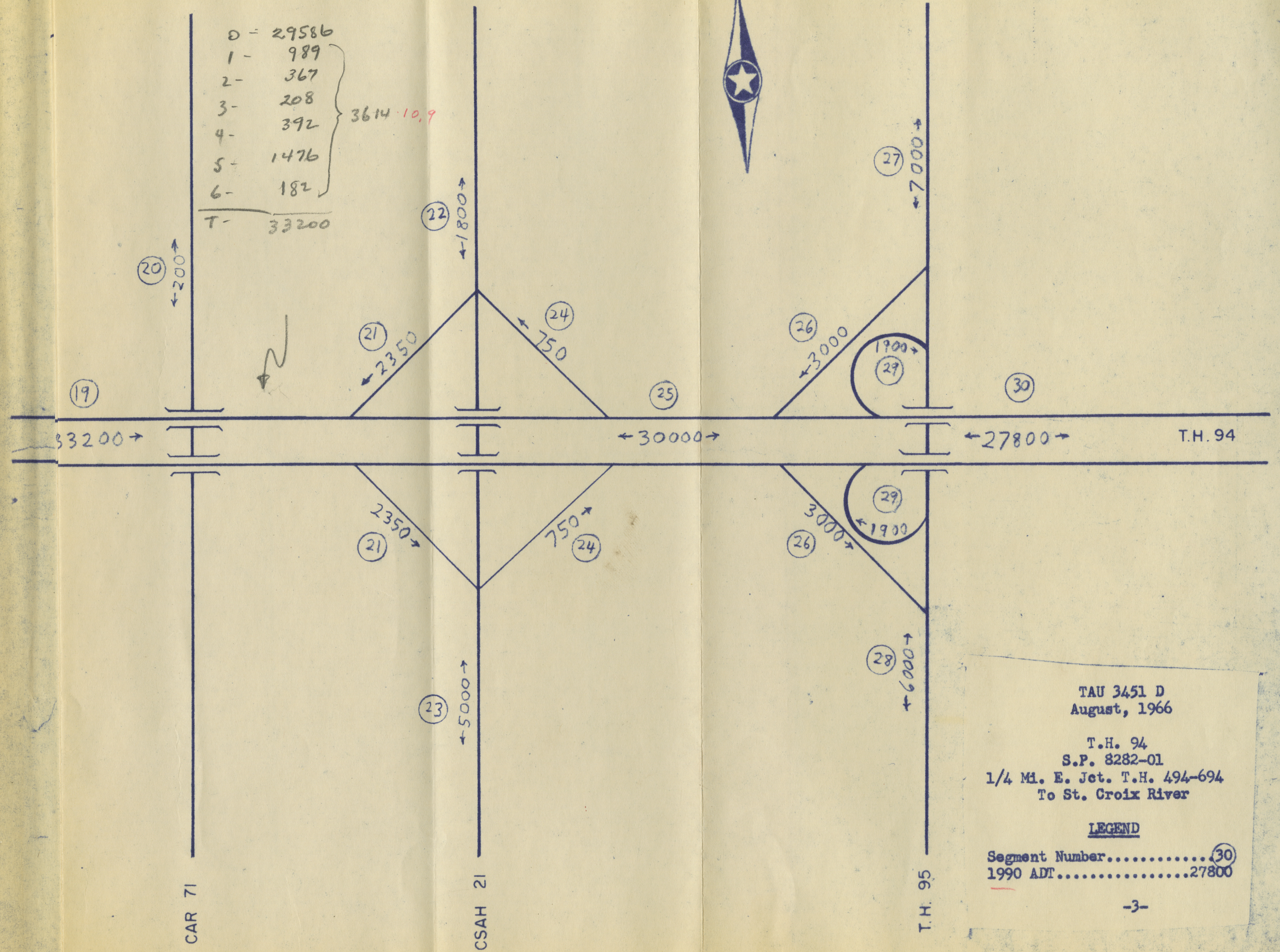
B. L. Warzala requested this report for R. M. Hill, Geometrics Engineer.


STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP

Base Map Prepared by the Planning and Programming Division Jan. 1, 1965







TAU 3451 D
August, 1966

T.H. 94
S.P. 8282-01
1/4 Mi. E. Jet. T.H. 494-694
To St. Croix River

LEGEND

Segment Number..... 30
1990 ADT..... 27800

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 1 OF 3

FOR

T.H. 94 S.P. 8282-01 LENGTH --- MILESCOUNTY Washington LOCATION 1/4 mi. E. Jct. TH 494-694to St. Croix River

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	45202	91	2251	547	4466	2096	40946	1820	3367	2937	5886
1	1788	3	76	19	151	76	1639	99	198	116	333
2	835	2	33	9	67	35	769	37	155	86	207
3	240	-	9	2	19	9	222	4	5	5	16
4	448	1	7	4	19	16	426	6	11	8	21
5	1596	2	19	14	61	53	1526	11	21	16	47
6	291	1	5	5	17	15	272	23	43	32	90
TOTAL ADT	50400	100	2400	600	4800	2300	45800	2000	3800	3200	6600
TOTAL H. COMM. ADT	5198	9	149	53	334	204	4854	180	433	263	714
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 2 OF 3

FOR

T.H. 94 S.P. 8282-01 LENGTH - MILESCOUNTY Washington LOCATION 1/4 Mi. E. Jct. TH 494-694to St. Croix River

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	622	35456	366	3482	6961	1863	547	29586	190	2255	1728
1	35	1313	21	193	272	78	31	989	6	57	44
2	26	511	6	85	118	34	13	367	3	25	19
3	2	216	1	5	4	3	1	208	-	1	1
4	3	410	1	11	12	8	2	392	-	3	2
5	5	1494	1	11	12	8	2	1476	-	3	3
6	7	200	4	13	21	6	4	182	1	6	3
TOTAL ADT	700	39600	400	3800	7400	2000	600	33200	200	2350	1800
TOTAL H. COMM. ADT	78	4144	34	318	439	137	53	3614	10	95	72
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
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 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 3 OF 3

FOR

T.H. 94 S.P. 8282-01 LENGTH - MILES
COUNTY Washington LOCATION 1/4 Mi. E. Jct. TH 494-694
to St. Croix River

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH 30 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER									
	23	24	25	26	27	28	29	30		
0	4830	710	26496	2791	6459	5533	1718	24350		
1	104	25	925	130	383	314	113	891		
2	46	11	339	35	60	61	29	327		
3	1	1	208	4	12	10	4	208		
4	5	1	388	13	25	16	12	386		
5	6	1	1472	22	55	56	21	1470		
6	8	1	172	5	6	10	3	168		
TOTAL ADT	5000	750	30000	3000	7000	6000	1900	27800		
TOTAL H. COMM. ADT	170	40	3504	209	541	467	182	3450		
TOTAL DHV										
DIRECTIONAL DISTRIBUTION										

* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS
1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
6 = BUSES AND TRUCKS WITH TRAILERS

BASIC DATA, METHOD, AND ASSUMPTIONS

The 1990 ADT and DHV for the project is transmitted in
TAU 447 of July, 1966.

The HCADT total for TH 94 is a projection of a trend at
the continuously operated traffic recorder on present TH 12,
6 miles east of St. Paul. The parallel section on TH 94 is
located at segment 13.

TH 94 individual vehicle types reflect diversions to a
completed interstate. The HCADT for the remainder of the project
is that of roads with typical urban characteristics.